JVC

HOME THEATER SOUND SYSTEM

TH-BC3

SRS ◉ StudioSound HD

Made for
☐ iPod ☐ iPhone

HDMI

Thank you for purchasing a JVC product.
Before operation, please read the instructions carefully.

For customer use:
Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No.

Serial No.

INSTRUCTIONS
GVT0327-002B[J]
1210WMKMDWJMM

☐ EN

© 2010 Victor Company of Japan, Limited

Warnings, Cautions and Others / Mises en garde, précautions et indications diverses

For U.S.A.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Pour les Etats-Unis

Le symbole de l'éclair à l'intérieur d'un triangle équilatéral est destiné à alerter l'utilisateur sur la présence d'une "tension dangereuse" non isolée dans le boîtier du produit. Cette tension est suffisante pour provoquer l'électrocution de personnes.

Le point d'exclamation à l'intérieur d'un triangle équilatéral est destiné à alerter l'utilisateur sur la présence d'opérations d'entretien importantes au sujet desquelles des renseignements se trouvent dans le manuel d'instructions.

CAUTION
The ⏻/I button in any position does not disconnect the mains line.
Disconnect the mains plug to shut the power off completely (the STANDBY lamp goes off). The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
• When the System is on standby, the STANDBY lamp lights red.
• When the System is turned on, the STANDBY lamp goes off. The power can be remote controlled.

ATTENTION
La touche ⏻/I, dans n'importe quelle position, ne déconnecte pas le système du secteur. Déconnectez la fiche de secteur pour mettre l'appareil complètement hors tension (le témoin STANDBY s'éteint). La fiche secteur ou un coupleur est utilisé comme dispositif de déconnexion de l'appareil, et l'appareil déconnecté doit être prêt à être utilisé.
• Quand le système est en attente, le témoin STANDBY est allumé en rouge.
• Quand le système est sous tension, le témoin STANDBY s'éteint. L'alimentation peut être télécommandée.

CAUTION
Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

ATTENTION
Les piles ne doivent en aucun cas être exposées à une chaleur excessive (lumière du soleil, feu, etc.).

CAUTION
To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

ATTENTION
Afin d'éviter tout risque d'électrocution, d'incendie, etc.:
1. Ne pas enlever les vis ni les panneaux et ne pas ouvrir le coffret de l'appareil.
2. Ne pas exposer l'appareil à la pluie ni à l'humidité.

This device complies with RSS-210 of Industry Canada Rules. Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme au réglement CNR-210 de l'industrie du Canada. L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes:
(1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

For Canada
THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS AS SET OUT IN THE INTERFERENCE-CAUSING EQUIPMENT STANDARD ENTITLED "DIGITAL APPARATUS," ICES-003 OF THE DEPARTMENT OF COMMUNICATIONS.

Pour le Canada
CET APPAREIL NUMERIQUE RESPECTE LES LIMITES DE BRUITS RADIOELECTRIQUES APPLICABLES AUX APPAREILS NUMERIQUES DE CLASSE B PRESCRITES DANS LA NORME SUR LE MATERIEL BROUILLEUR; "APPAREILS NUMERIQUES", NMB-003 EDICTEE PAR LE MINISTRE DES COMMUNICATIONS.

For U.S.A.
WARNING
TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

Pour les Etats-Unis
AVERTISSEMENT
POUR PRÉVENIR LES RISQUES D'INCENDIE OU DE CHOCS ÉLECTRIQUES, NE PAS EXPOSER CET APPAREIL À LA PLUIE OU À L'HUMIDITÉ.

CAUTION
• Do not block the ventilation openings or holes. (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
• Do not place any naked flame sources, such as lighted candles, on the apparatus.
• When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
• Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

ATTENTION
• Ne bloquez pas les orifices ou les trous de ventilation. (Si les orifices ou les trous de ventilation sont bloqués par un journal un tissu, etc., la chaleur peut ne pas être évacuée correctement de l'appareil.)
• Ne placez aucune source de flamme nue, telle qu'une bougie, sur l'appareil.
• Lors de la mise au rebut des piles, veuillez prendre en considération les problèmes de l'environnement et suivre strictement les règles et les lois locales sur la mise au rebut des piles.
• N'exposez pas cet appareil à la pluie, à l'humidité, à un égouttement ou à des éclaboussures et ne placez pas des objets remplis de liquide, tels qu'un vase, sur l'appareil.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment.

Cet appareil est conforme à la partie 15 des règles de la FCC (Federal Communications Commission). Le fonctionnement est sujet aux deux conditions suivantes:
(1) Cet appareil ne peut pas causer d'interférences nuisibles, et (2) cet appareil doit accepter toute interférence reçue, y compris des interférences qui peuvent causer un mauvais fonctionnement.
Tout changement ou modification non expressément approuvés par le fabricant pour conformité peut annuler l'autorité de l'utilisateur d'utiliser l'appareil.

[European Union only]
[Union européenne seulement]

TO OUR VALUED CUSTOMER

THANK YOU FOR PURCHASING THIS JVC PRODUCT.
WE WANT TO HELP YOU ACHIEVE A PERFECT EXPERIENCE.

NEED HELP ON HOW TO HOOK UP?
NEED ASSISTANCE ON HOW TO OPERATE?
NEED TO LOCATE A JVC SERVICE CENTER?
LIKE TO PURCHASE ACCESSORIES?

JVC IS HERE TO HELP!
TOLL FREE: 1(800)252-5722
http://www.jvc.com

Remember to retain your Bill of Sale for Warranty Service.

— Do not attempt to service the product yourself —

Caution
To prevent electrical shock, do not open the cabinet.
There are no user serviceable parts inside.
Please refer to qualified service personnel for repairs.

BT-51045-1
(0309)

■ Playable iPod models

• Compatible iPod:

Made for	Audio	Video
iPod nano (6th generation)	✓	
iPod nano (5th generation)	✓	✓ *
iPod nano (4th generation)	✓	✓
iPod nano (3rd generation)	✓	✓
iPod nano (2nd generation)	✓	–
iPod touch (4th generation)	✓	✓
iPod touch (3rd generation)	✓	✓
iPod touch (2nd generation)	✓	✓
iPod touch	✓	✓
iPod classic	✓	✓
iPhone 4	✓	✓
iPhone 3GS	✓	✓
iPhone 3G	✓	✓

* Only for still picture

• Also refer to the instruction manual for iPod.
• If the NOT SUPP indicator is shown on the display, the connected iPod is not supported.
• If iPod does not play correctly, update iPod software to the latest version.
  – For details about updating iPod, check on the Apple web site <http://www.apple.com/>.

• "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.
• iPhone, iPod, iPod classic, iPod nano and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

• HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
• HDCP is the abbreviation of "High-bandwidth Digital Content Protection," and is the high-reliable copy control technology licensed by Digital Content Protection, LLC.

• In this manual, "iPod" means iPod, iPod touch and iPhone device. When iPod touch or iPhone device is especially referred to, "iPod touch" or "iPhone" is used.

CAUTION: Proper Ventilation
To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:
1. Front: No obstructions and open spacing.
2. Sides/Top/Back: No obstructions should be placed in the areas indicated by the dimensions in the illustration.
3. Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm (3-15/16") or more.

ATTENTION: Ventilation Correcte
Pour éviter tout risque de choc électrique et d'incendie, placez l'appareil en respectant ce qui suit:
1. Avant: Rien ne doit gêner le dégagement.
2. Flancs/Dessus/Arrière: Aucun obstacle ne doit être placé dans les zones indiquées par les dimensions dans l'illustration.
3. Dessous: Poser l'appareil sur une surface plate. Laissez suffisamment d'espace pour que la ventilation puisse s'effectuer correctement en plaçant l'appareil sur un socle d'une hauteur de 10 cm ou plus.

Front / Face

15 cm (5-15/16")
15 cm (5-15/16")
15 cm (5-15/16")
15 cm (5-15/16")
10 cm (3-15/16")

For U.S.A.

Caution: Changes or modifications not expressly approved by party responsible for compliance could void the user's authority to operate the equipment.
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

Pour les Etats-Unis
Attention: Les changements ou les modifications qui ne sont pas explicitement approuvés par la partie responsable de l'observance pourraient mettre fin au droit de l'utilisateur d'utiliser le matériel.
Remarque: Cet appareil a été testé et il s'est avéré conforme aux limites applicables à un appareil numérique de classe B, en vertu de la Partie 15 des Règles de la FCC. Ces limites sont conçues de manière à assurer une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet appareil produit, utilise et peut émettre une énergie de haute fréquence et, s'il n'est pas installé et utilisé en conformité avec les instructions, il peut causer des interférences nuisibles aux communications radio. Il n'y a, toutefois, aucune garantie que des interférences ne se produiront pas dans une installation particulière. Si cet appareil cause effectivement des interférences nuisibles à la réception de la radio ou de la télévision, ce qu'on peut établir en mettant l'appareil en marche et à l'arrêt, nous encourageons l'utilisateur à tenter de corriger l'interférence par une ou plusieurs des mesures suivantes:
– réorienter ou déplacer l'antenne de réception;
– accroître la séparation entre l'appareil et le récepteur;
– brancher l'appareil dans une prise ou un circuit autre que celui auquel le récepteur est branché;
– consulter un vendeur ou un technicien radio/TV expérimenté pour obtenir de l'aide.

Ⅰ Introduction

Auto power save function
When no operation is done in certain situations for 29 minutes, the unit turns off automatically. This function is on at the initial setting. For details, refer to "Operations."

In this manual, the remote control buttons are used for explaining the operations unless mentioned otherwise. However, if the System has the same or similar button names, they can also be used for the operations.

■ Notes on handling

Important cautions
Installation of the System
• Select a place which is level, dry, and neither too hot nor too cold; between 5°C and 35°C (41°F and 95°F).
• Leave sufficient distance between the System and the TV.
• Do not use the System in a location near heat sources, or in a place subject to direct sunlight, excessive dust, or vibration.
• Install the System in a location with adequate ventilation to prevent internal heat buildup.

Power cord
• Do not handle the power cord with wet hands.
• A small amount of power is always consumed while the power cord is connected to the wall outlet.
• Do not pull on the cord to unplug the power cord. When unplugging the power cord, always grasp and pull the plug so as not to damage the cord.

To prevent malfunctions of the System
• There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.
• Do not insert any metallic objects or liquids into the System.

Safety precautions
Avoid moisture, water, and dust
Do not place the System in moist or dusty places.
Avoid high temperatures
Do not expose the System to direct sunlight and do not place it near any heating devices.
When you are away
When away on holiday or for other reasons for an extended period of time, disconnect the power cord from the wall outlet.

Do not block the vents
Blocking the vents may damage the System.
Care of the cabinet
• Stains on the System should be wiped off with a soft cloth. If the System is heavily stained, wipe it with a cloth soaked in water diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
• Since the System may deteriorate in quality, become damaged or get its paint peeled off, be careful about the following:
  – DO NOT wipe it forcefully.
  – DO NOT wipe it with thinners, benzines or other organic solvents including disinfectants.
  – DO NOT apply any volatile substances such as insecticides to it.
  – DO NOT allow any rubber or plastic to remain in contact with it for a long time.
• Do not place anything on top of the System. Doing so may cause the System to fall, causing malfunctioning and/or injury.
• The manufacturer accepts absolutely no liability for any accidents or damage resulting from inadequate assembly or mounting, insufficient strength of attachment, misuse or abuse, or natural disasters.
If water gets inside the System
Turn the System off and disconnect the power cord from the wall outlet, then call the store where you purchased this System. Using the System in this condition may cause a fire or electrical shock.

■ Supplied accessories
Check to make sure you have all of the supplied accessories. If anything is missing, contact your dealer immediately.
• Remote control RM-STHBC3J (× 1)
• AC adaptor (AA-R1904) (× 1)
• AC power cord (× 1)
• Lithium coin battery CR2025 (× 1)
  – The battery has been installed in the remote control when shipped from the factory.
• Core filter (× 2)
• TV remote pass through cable (× 1)
• Double-sided adhesive tape (× 1)
• FM antenna (× 1)

Ⅰ Specifications

Output power — 60 W (30 W per channel-measure at 1 kHz Optical Digital In at full scale sinewave), RMS at 4 Ω at 1 kHz, with 10% total harmonic distortion

Audio section
Analog Input — ANALOG: 1 Vrms/50 kΩ
Digital Input* — DIGITAL 1 (OPTICAL) :
–21 dBm to –15 dBm (660 nm ±30 nm)
DIGITAL 2 (COAXIAL) :
0.5 Vp-p/75 Ω

Speaker section
Type: — Bass-Reflex Type
Speaker: — Woofer: 8 cm (3-3/16") cone × 4
Tweeter: 2.5 cm (1") balance dome × 2
Power Handling Capacity: — 30 W
Impedance: — 4 Ω
Frequency Range: — 82 Hz to 25 kHz
Sound Pressure Level: — 88 dB/W•m

General
Power Source (DC IN): — DC 19 V ⎓ 3.37 A
AC adaptor (AA-R1904): — Input: AC 100 – 240 V ∼, 50 Hz/60 Hz, 1.5 A – 0.9 A
Output: DC 19 V ⎓ 3.37 A
Power Consumption(in Standby mode):
0.50 W or less
Dimensions (W × H × D): — 900 mm ×98 mm × 107 mm (35-7/16" × 3-7/8" × 4-3/16")
Mass: — 3.4 kg (7.4 lbs)

Tuner
FM tuning range: — 87.5 MHz – 108.0 MHz

iPod
Output power: — DC 5 V ⎓ 1 A

HDMI
HDMI Input: — HDMI 1 IN, HDMI 2 IN*
HDMI Output: — HDMI OUT
Max. Capability: — 1920 × 1080 at 60 Hz
Output power: — DC 5 V ⎓ 55 mA

* *Corresponding to Linear PCM (with sampling frequency — 32 kHz, 44.1 kHz, 48 kHz)*

Designs & specifications are subject to change without notice.

Ⅰ Troubleshooting

If you have a problem with this System, check this list for a possible solution before calling for service.

POWER
Power does not come on.
➡ The power cord is not inserted securely. Plug it in securely.
The unit turns off suddenly.
➡ Auto power save function is on. Refer to "Activating/deactivating APS (Auto Power Save)" in "Basic operation."

REMOTE CONTROL
The remote control does not work.
➡ Pull out the insulation sheet.
➡ Sunlight is shining directly on the remote sensor. Hide the remote sensor from direct sunlight.
➡ The path between the remote control and the remote sensor on the front panel is blocked.
➡ Point the remote control at the remote sensor on the front panel.
➡ Signals cannot reach the remote sensor. Move closer to the unit.
➡ The battery is exhausted. Replace the battery.
The remote control of the TV does not work.
➡ If you install the unit near the TV, connect the TV remote pass through cable (supplied).

FM tuner
Hard to listen to broadcasts because of noise.
➡ Electrostatic discharge from your body may cause noise. If this happens, turn off and on the unit again.

External components
No sound can be heard when DIGITAL 1 or DIGITAL 2 is selected as a source.
➡ Check the output setting of the connected digital components. Set the output setting as the PCM signal is outputted.

iPod
iPod cannot be connected firmly.
➡ Check to see whether the connector between iPod and the unit is not damaged, and connect it.
iPod does not provide sound.
➡ iPod is not properly connected. Remove iPod from the unit, and then connect it again.
iPod cannot be charged.
➡ iPod is not properly connected. Remove iPod from the unit, and then connect it again. After connecting iPod, turn on the power again.

HDMI
No sound can be heard when HDMI 1 or HDMI 2 source is selected as a source.
➡ Check the output settings on the HDMI connected devices. Set the audio output setting on PCM signal and enable HDMI Audio Out.
No sound can be heard when TV ARC is selected as a source.
➡ Check if your TV supports this function and turn on the settings for ARC and set the digital audio output setting to PCM signal on your TV.

Getting started

DO NOT connect the power cord until all other connections have been made.

Preparing the remote control

When you use the remote control for the first time, pull out the insulation sheet.
If the range or effectiveness of the remote control decreases, replace the battery.

To replace the battery in the remote control

Lithium coin battery
(product number: CR2025)
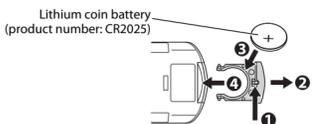
Insert the battery into the remote control by matching the polarities (+ and –) correctly.

NOTES
- Store the battery in a place where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately.
- To prevent the battery from overheating, cracking, or starting a fire:
  – Do not recharge, short, disassemble or heat the battery, or dispose of it in a fire.
  – Do not leave the battery with other metallic materials.
  – Wrap the battery with tape and insulate when throwing away or saving it.
  – Do not poke the battery with tweezers or similar tools.
- Dispose of the battery in the proper manner, according to federal, state, and local regulations.

CAUTION:
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

For USA-California Only
This product contains a CR Coin Cell Lithium Battery which contains Perchlorate material—special handling may apply.
See www.dtsc.ca.gov/hazardouswaste/perchlorate

Connecting the FM antenna

FM antenna (supplied)

Rear of the unit
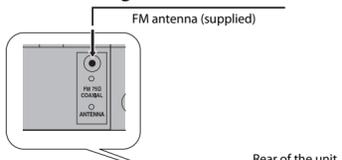
Extend the FM antenna when connecting so that you can obtain the best reception.

NOTES
- Make sure the antenna conductors do not touch any other terminals, connecting cords or the power cord. Also, keep the antennas away from metallic parts of the main unit, connecting cords, and the AC power cord. Otherwise, it could cause poor reception.
- If you want to get a better reception, disconnect the supplied FM antenna, and connect to an outdoor FM antenna (not supplied) using a 75 Ω wire with coaxial type connector (IEC or DIN45325).

Installing the unit

Install the unit on a flat and level surface to ensure the best sound quality.
- The sound may be affected depending on the location in which you install it. To avoid such issues, change the location and orientation of the unit.
- For cathode-ray tube television (CRT):
  – If you install the unit near the TV, color distortion may occur. To prevent this, turn off the TV's main power or unplug it before installing the unit. Wait at least 30 minutes before turning on the TV's main power again.
  – If the TV is still affected, move the unit further away.

CAUTION
- Do not drag or push the unit on the floor or table. Otherwise, the foot spacers at the bottom may peel off or drop from the unit.

Installing on the wall

You can install the unit on the wall.

Wall

A: 6 – 7 mm (1/4" – 5/16")
B: Maximum 8.5 mm (3/8")
C: Maximum 6 mm (1/4")
D: φ 4 mm (screw diameter) (Dia. 3/16")
E: Maximum 15 mm (5/8")

Screw (not supplied)
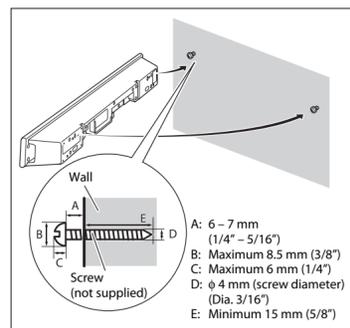
NOTES
- The unit weighs approximately 3.4 kg (7.4 lbs). Sufficient care must be taken when installing it on the wall to prevent any accidents caused by its falling off.
- Use screws, which are compatible with the strength and material of the pillar or wall to prevent the unit from falling off.
- Do not install the unit onto a plywood or plasterboard wall; otherwise, it will fall and sustain damage.
- When installing the unit on the wall:
  – Be sure to have it installed on the wall by qualified personnel.
  – Care must be taken when selecting a location for installation on the wall. Injury to personnel or damage to equipment may result if the installed unit interferes with daily activities.
  – AC adaptor should not be hanging/placed above any other items. Place the AC adaptor on the flat floor only.
  – Recommended mounting surface: Wooden studs. If the mount is to be installed on any surface other than wooden studs, use suitable hardware (which is commercially available).

Connecting the TV remote pass through cable

If you install the unit near the TV, the unit may block the remote control signal of the TV, and it may not be transmitted to the TV unit. Connect the TV remote pass through cable (supplied) to the unit for smooth signal transmission.
As illustrated below, connect the TV remote pass through cable to the IR OUT terminal. Move the cable to the remote sensor of your TV as closely as possible.

CAUTION
- Even if you connect the TV remote pass through cable to the unit, some TVs may not receive the remote control signal of the TV. Because some TVs use different carrier frequency for the remote control.

Rear of the unit

TV remote pass through cable (supplied)

Move it to the remote sensor of your TV as closely as possible, then stick it in any rear position of the unit

Back

Double-sided adhesive tape (supplied)

SRS® StudioSound HD is a trademark of SRS Labs, Inc.
- StudioSound HD technology is incorporated under license from SRS Labs, Inc.
- SURROUND: StudioSound HD by SRS Labs. SRS StudioSound HD™ provides an immersive and engaging surround sound experience, while maintaining steady volume and delivering rich bass and clear dialog.
- DRC: TruVolume by SRS Labs. TruVolume™ (designated as DRC) maintains a steady volume for an enjoyable viewing experience.

Using the core filter

Attach the provided core filters to the power cord and the external component cord to reduce interference.
Run the cable through the core filter, and wind it firmly once inside. Close the core filter until it clicks shut.

To the terminal of the unit

Digital coaxial cord
RCA pin plug cord
TV remote pass through cable
RCA pin plug cord (for the subwoofer)
DC power cord
Composite video cord

CAUTION
- Do not damage the cord by applying expressive force when winding.

Connecting external components

You can connect an analog component to the ANALOG IN terminal and digital components to the (OPTICAL) DIGITAL IN 1 and (COAXIAL) DIGITAL IN 2 terminals.
You can also connect a subwoofer to the SUBWOOFER PRE-OUT terminal.

SUBWOOFER PRE-OUT
Subwoofer (not supplied)
RCA pin plug cord (not supplied)

Rear of the unit

ANALOG IN
Red   White
RCA pin plug cord (not supplied)

(COAXIAL) DIGITAL IN 2
Digital coaxial cord (not supplied)

(OPTICAL) DIGITAL IN 1
Digital optical cord (not supplied)

DVD Player, etc. (not supplied)

Connecting external component with HDMI cable

You can also connect digital components to the HDMI 1 IN and HDMI 2 IN terminals and HDMI OUT terminal.

TV, etc. (not supplied)
HDMI cable (not supplied)

Rear of the unit

HDMI cable (not supplied)
DVD player, etc. (not supplied)
Blu-ray player, etc. (not supplied)
HDMI cable (not supplied)

TV, etc. (not supplied)

Connecting the TV – viewing the video/picture from iPod on your TV

You can view a video/picture from iPod connected to the unit on your TV. Connect the video input terminal on your TV, etc. to the IPOD VIDEO terminal with the video cord (not supplied).

Setting the video output
While the source is selected to IPOD and iPod is not connected to the unit...

Press and hold iPod ►/❙❙ (main unit).
Each time you press and hold the button, the indicator and effect changes as follows:
VIDEOOFF (the video/picture from iPod is shown on iPod itself) ←→ VIDEO ON (the video/picture from iPod is shown on the TV)

Rear of the unit

IPOD VIDEO
Composite video cord (not supplied)

TV, etc. (not supplied)
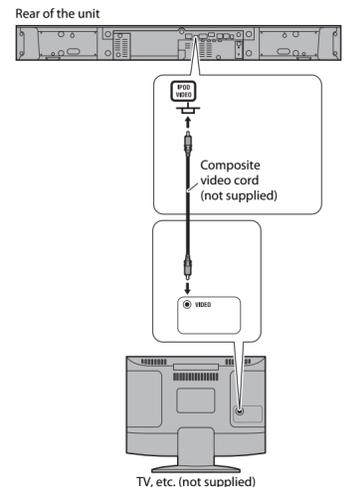
Connecting the power cord

Connect the supplied AC adaptor to the DC IN jack on the unit. Then connect the supplied AC power cord to the AC adaptor, and plug it in a wall outlet.

CAUTION
- Disconnect the power cord before cleaning or moving the unit.
- To avoid the risk of fire and to prevent damage,
  – Do not use any AC adaptors other than the one supplied.
  – Do not use the supplied AC adaptor for other equipment.

Operations

Buttons and lamps on the front panel

1. Φ/❙ (power) button and STANDBY indicator lamp
   - STANDBY indicator lamp lights up while the power is turned off.
2. FM/INPUT button
   Press the button repeatedly to select the input source or FM.
3. SURROUND button and SURROUND indicator lamps
   - The indicator lamp lights up if a surround mode is on.
4. iPod ►/❙❙ button
   Press the button to play back iPod.
5. VOLUME +/– buttons
   Adjusts the volume within the range of 0(VOL MIN) to 40(VOL MAX).
6. Remote sensor
   Receives the signal from the remote control.
7. Tray for iPod dock
   Push the tray to open the dock for iPod.
8. Display
   Shows the volume level, the FM station's frequency that the unit is receiving, the current source and the settings.
9. DRC indicator lamp
   - DRC indicator lamp lights up if DRC is on.

Basic operation

Turning on/off the power
Press Φ/❙.

NOTE
- A small amount of power is consumed even when the power is turned off (standby mode). During standby mode, the STANDBY indicator lamp on the front panel lights up. Unplug the power cord from the AC outlet to turn the power off completely.
- You can also turn on the power by pressing one of the input buttons (DIGITAL, ANALOG/FM, HDMI, or iPod ►/❙❙).

Activating/deactivating APS (Auto Power Save)
The System automatically turns off to save the power.
Press and hold APS.
Each time you press and hold the button, the indicator changes as follows:
APS ON (on) ←→ APS OFF (off)
- The System automatically turns off to save the power when one of the following situations continues for 29 minutes:
  For all sources:
  – The volume is set to 0
  – Muting is activated
  For DIGITAL 1/DIGITAL 2:
  – When the optical cord or coaxial cord is not connected, or there is no signal.
  For TV ARC (Audio Return Channel):
  – When HDMI OUT is not connected, or there is no signal.
  For iPod:
  – When iPod is not connected to the unit.
  For HDMI 1/HDMI 2
  – When HDMI 1 IN/HDMI 2 IN is not connected, or there is no signal.
When one of the situations occurs...
The APS indicator is shown for 2 seconds every 1 minute and starts flashing 30 seconds before the System turns off.

Selecting the input source
Press one of the input buttons repeatedly to select the input source.
Each time you press each button, the source changes as follows:
ANALOG/FM:
ANALOG IN (for the analog connection) ←→ FM
DIGITAL:
DIGITAL 1 (for the optical connection) ➡ DIGITAL 2 (for the coaxial connection) ➡ TV ARC (for HDMI OUT with ARC)*¹
HDMI:
HDMI 1 IN (for HDMI 1) ←→ HDMI 2 IN (for HDMI 2)

*¹ To use TV ARC, set CEC to ON, and make sure your TV supports this function and has the correct settings.

Adjusting the volume
Press VOLUME +/–.

CAUTION
- Set the volume to the minimum level before starting any source. If the volume is set to a high level, the sudden blast of sound may damage your hearing and blow out the speakers.

Turning off the sound temporarily
Press MUTING.
- To restore the sound, press the button again or adjust the volume.

Changing the display brightness
Press DIMMER.
Each time you press the button, the display brightness changes as follows:
DIM OFF (normal) ➡ DIM 1 (darker) ➡ DIM 2 (darkest)

Making sound clearer
You can enjoy sounds recorded at low level—Dynamic Range Compression (DRC).
Press DRC.
Each time you press the button, the indicator and effect change as follows:
DRC OFF (off) ←→ DRC ON (on)

Adjusting the sound level
You can adjust the bass and treble sound level within the range of –3 to +3.

1. **Press SETTING to enter the setting mode.**
   – BASS: Adjusts the bass sound level.
   – TRE: Adjusts the treble sound level.
2. **Press ❙◀◀ or ▶▶❙ to select the item you want to set.**
3. **Press UP or DOWN to adjust the level.**

NOTE
- The change in the bass and treble sound level of the speakers differ depending on the incoming signal of the input source.

Using the surround mode
You can listen to a more realistic sound than stereo sound using surround.

Press SURROUND.
Each time you press the button, the indicator and effect change as follows:
SURR OFF (off) ←→ SURR ON (on)

Listening to FM radio

Selecting the station
1. **Press FM.**
2. **Press UP or DOWN to select the station.**
   - Press and hold ❙◀◀ or ▶▶❙ for 2 seconds, then release it to change the frequency automatically until a station of sufficient signal strength is tuned in.

Presetting stations
You can preset up to 30 stations.

Manual preset
If you want to preset stations manually, press MEMORY while tuning into a station you want to preset. Then press UP/DOWN to select a preset number. Store the station by pressing MEMORY.

Auto preset
Press and hold A.PRESET for 2 seconds
Stations are preset automatically.

Improving the FM reception
When an FM stereo (FM) broadcast is hard to receive or noisy, select the monaural reception (MONO) mode.
Press FM MODE.
- To restore stereo reception, press FM MODE again.

Playing back iPod

iPod

Connecting iPod
While the unit is in standby...
1. **Push the tray (7) to open the tray.**
2. **Connect iPod to the connector.**
- You cannot connect iPod to the unit if it is covered by something or with accessories attached. Remove them before connecting.
- Keep iPod in a straight position while connecting/disconnecting it.
- Do not carry the unit with iPod connected. It might cause damage to the dock for iPod or you might drop iPod.
- Do not touch or hit the iPod terminal pins or connector pins in the dock for iPod directly. Doing so might cause damage to the connector pins.
- While the power is turned on, or during Standby with HDMI Pass Through ON, iPod can be charged.

Playing back
Press iPod ►/❙❙.
- While the power is turned off, simply pressing iPod ►/❙❙ turns on the power and plays back iPod.

Skipping forward/back
Press and hold ❙◀◀ or ▶▶❙.

Pausing/resuming playback
Press iPod ►/❙❙.

Skipping to the next track
Press ▶▶❙.

Skipping back to the previous track
Press ❙◀◀ twice or more repeatedly.

Returning to the beginning of the track
Press ❙◀◀ once.

Putting iPod in sleep mode
While iPod is connected to the unit...
Press and hold iPod ►/❙❙.

Setting up the HDMI functions

You can change the settings of HDMI functions with the menu on the display.
- HDMI function optionally includes the controlling signals employed for the High-Definition Multimedia Interface (HDMI) standard - Consumer Electronics Control (CEC).
When devices equipped with CEC are connected, each device can control the others. This system is compatible with some basic functions of CEC. For example, when you start playback on a connected DVD/BD player, the unit and connected TV compatible with CEC automatically turns on.
- For details about the CEC function, refer to the operation manuals of the connected CEC devices.

NOTE
- The CEC function may not work on some CEC devices.
- The HDMI functions may not work depending on the setting or status of the unit or the connected devices.

1. **Press SETTING to enter setting mode.**
2. **Press ❙◀◀ or ▶▶❙ to select the item you want to set. (the setting mode changes as follows:)**
   BASS ➡ TRE ➡ PASS THR ➡ A. OUT ➡ CEC CTRL ➡ PWR CTRL ➡ SYS A. ➡ TV IN)*²
3. **Press UP or DOWN to toggle ON or OFF.**
   For TV IN, pressing UP or DOWN may cause the setting to change as follows:
   OFF ➡ D1 ➡ ARC
4. **Repeat 2 and 3 to set up other items.**
   To exit from the menu, press SETTING.

Displaying a menu/Returning to the previous menu
Press MENU.

Selecting an item on the menu
Press UP or DOWN, then press SELECT.

NOTES
- Operate iPhone or iPod touch itself in the following cases:
  – When operating the home button.
  – When selecting application icons on the home screen.
  – When dragging the slider.
- Sound distortion may occur when playing back audio sources with high recording levels. If distortion occurs, it is recommended to turn off the equalizer of iPod.

Press SURROUND.
Each time you press the button, the indicator and effect change as follows:
SURR OFF (off) ←→ SURR ON (on)

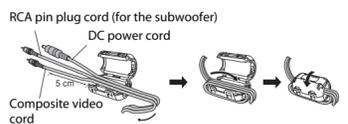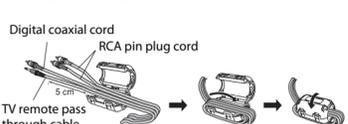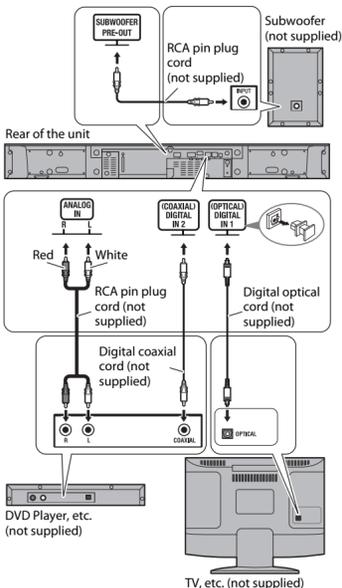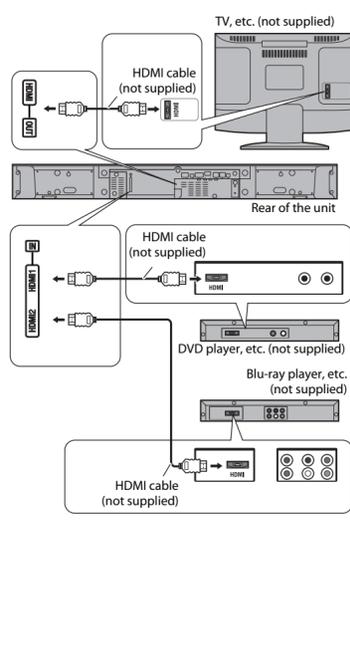| Item	Contents
HDMI Pass Through (PASS THR)	ON: The audio and video signal are transmitted to the TV connected to HDMI OUT terminal even if the unit is on standby.*¹ • The STANDBY lamp lights orange while the unit is on standby. OFF: The audio and video signal are not transmitted to the TV connected to HDMI OUT terminal while the unit is on standby. **NOTE** • To toggle between HDMI 1 IN and HDMI 2 IN during standby, press and hold the HDMI input button for 2 seconds. • If HDMI 1 is selected, STANDBY indicator lamp blinks once. If HDMI 2 is selected, STANDBY indicator lamp blinks twice.
HDMI Audio Out (A. OUT)	TV: The audio signal is emitted from the TV connected to HDMI OUT terminal. AMP: The audio signal is emitted from the speakers of the unit. **NOTE** • If you select ON for System Audio*², you cannot change this setting (AUTO appears).
CEC (CEC CTRL)	ON: Activates the CEC function. OFF: Deactivates the CEC function.
PWR Control*² (PWR CTRL)	ON: The unit automatically turns on when you start playback on a connected DVD/BD player, and turns off when you turn off the TV connected to HDMI terminals. OFF: Deactivates this function.
System Audio*² (SYS A.)	ON: The audio signal is emitted from the speakers of the unit (if the TV supports System Audio and you have made the correct settings on the TV), and the volume control for this System can be operated by the TV remote control. OFF: Deactivates this function.
TV in*² (TV IN)	D1: The input source of the unit is changed to "DIGITAL 1" automatically if you change the input source from HDMI to another on the TV. ARC: The input source of the unit is changed to "TV ARC" automatically if you change the input source from HDMI to another on the TV. OFF: Deactivates this function.

*¹ The power consumption will be increased.
*² These are the settings for the CEC function which are selectable only when CEC is ON.